

Quantitative Aptitude Mega Quiz for RRB

Q1. The difference between the ages of mother and son was 21 when mother's age was 43. If father is elder by 3 years to mother, what will be the difference between the ages of son and father when father attains 50 years?

- (a) 21
- (b) 22
- (c) 23
- (d) 24

Q2. A shop keeper purchased 15 kg of sugar and 20 kg of wheat at Rs. 50 and Rs. 75 per kg respectively. On selling then, he gained 10% on sugar and 20% on wheat. What was the total sale value?

- (a) Rs. 2,550
- (b) Rs. 2,625
- (c) Rs. 1,800
- (d) Rs. 1,575

Q3. X can finish 25% of a work in a day. Y can do 12.5% of the same work in a day. In how many days, will both of them finish the work together?

- (a) 2.67 days
- (b) 2.33 days
- (c) 3.33 days
- (d) 3.67 days

Q4. If $x + 2y = 27$ and $x - 2y = -1$, find the value of y .

- (a) 13
- (b) 14
- (c) 7
- (d) 26

Q5. Find the smallest of the following decimals.

- (a) $0.2 \times 0.2 \times 0.2$
- (b) $0.25/3$
- (c) $0.01/2$
- (d) $0.1 \times 0.02 \times 2$



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Q6. Find the range of the data 2, 1, 2, 3, 5, 4, 7, 3, 5, 2, 4.

- (a) 5
- (b) 4
- (c) 3
- (d) 6

Q7. You purchased two pieces of cloth measuring 1.2 m and 1.3 m each at Rs. 330 and Rs. 270 per meter respectively and gave Rs. 1000 at the payment counter. How much cash will you get back?

- (a) Rs. 253
- (b) Rs. 604
- (c) Rs. 649
- (d) Rs. 235

Q8. What is the difference between the maturity values, if Rs. 12,500 is invested for 2 years at 20% per annum simple interest and compound interest?

- (a) Rs. 750
- (b) Rs. 650
- (c) Rs. 550
- (d) Rs. 500

Q9. The speed of car B is half the speed of car A. If car A covers a distance of 120 km in $1\frac{1}{2}$ hours, what is the speed of car B?

- (a) 40 kmph
- (b) 60 kmph
- (c) 30 kmph
- (d) 50 kmph

Q10. What number, from the following, should be deducted from 1184 to make it exactly divisible by 21?

- (a) 15
- (b) 12
- (c) 8
- (d) 7

Q11. A person has some amount with him. 25% of it is stolen in a bus, 10% is lost through a hole in the pocket, 50% of remainder is spent on food. He then purchases a book worth Rs. 26 from the remainder. He walks back home because all his money is over. What was the initial amount?

- (a) Rs. 160
- (b) Rs. 1,230
- (c) Rs. 90
- (d) Rs. 80

Q12. A businessman's earning increases by 25% in one year but decreases by 4% in the next. After 5 years his total earnings would be Rs. 72,000. What is the present earning?

- (a) Rs. 10,000
- (b) Rs. 80,000
- (c) Rs. 40,000
- (d) Rs. 54,000

Q13. A shopkeeper has certain number of eggs of which 5% are found to be broken. He sells 93% of the remainder and still has 266 eggs left. How many eggs did he originally have?

- (a) 3800
- (b) 4000
- (c) 4200
- (d) None of these

Q14. In a group of 20 singers and 40 dancers, 20% of the singers are less than 25 years old and 40% of the entire group are under 25 years. What percentage of dancers are under 25 years?

- (a) 20%
- (b) 40%
- (c) 50%
- (d) 60%

Q15. A invested 125% as much money as B. C invested 80% as much money as B. The total of all the three is 61,000. How much did C invest?

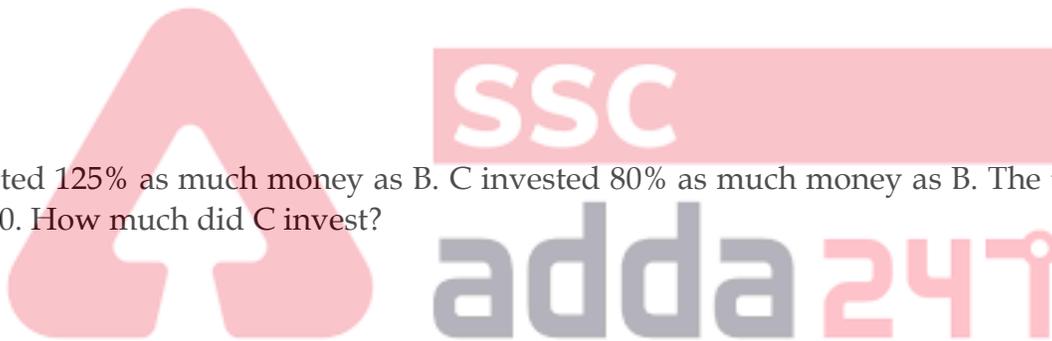
- (a) 25000
- (b) 16000
- (c) 20000
- (d) 45000

Q16. In a company, there are 75% skilled workers and remaining ones are unskilled. 80% of skilled workers and 20% of unskilled workers are permanent. If number of temporary workers is 126, then what is the number of total workers?

- (a) 480
- (b) 510
- (c) 360
- (d) 377

Q17. There are four friends. The average score in unit test of the first three is 15 and that of the last three is 16. If the score of the last friend is 19, then first friend's score is what percent of average of the last three?

- (a) $66\frac{2}{3}\%$
- (b) 300%
- (c) 100%
- (d) None of these



Q18. When the price of an audio system was reduced by 20%, the sale increased by 80%. What was the net effect on the sale?

- (a) 44% increase
- (b) 44% decrease
- (c) 66% increase
- (d) 60% increase

Q19. If two numbers are respectively 20% and 50% of a third number, what is the percentage of the first number to the second?

- (a) 10
- (b) 20
- (c) 30
- (d) 40

Q20. If the compound interest on a certain sum for 2 years at 4% p.a. is Rs. 102, the simple interest at the same rate of interest for two years would be:

- (a) Rs. 200
- (b) Rs. 50
- (c) Rs. 150
- (d) Rs. 100

Q21. The central government granted a certain sum towards flood relief to 3 states A, B, & C in the ratio 13 : 17 : 19 . If C gets Rs 420 crore more than the state A, what is the share of B ?

- (a) 1170 crore
- (b) 1180 crore
- (c) 1190 crore
- (d) None of these

Q22. A person carries Rs. 165/- in the form of currency notes of denomination Rs 5, Rs. 10 & Rs. 20 in the ratio of 3 : 2 : 1, what is the value of currency notes of Rs 20 denomination ?

- (a) 70 Rs
- (b) 80 Rs
- (c) 60 Rs
- (d) 100 Rs

Q23. If $a/b = 1 : 4$, $b/c = 1 : 8$ and $a = 2$, then the Value of C is-

- (a) 8
- (b) 16
- (c) 32
- (d) 64

Q24. 3 years ago, the ratio of Maya's and Shikha's age was 5 : 9 respectively. After 5 years, this would become 3 : 5, Find the present age of Maya ?

- (a) 43
- (b) 53
- (c) 63
- (d) 73

Q25. If three numbers are in the ratio $\frac{1}{2} : \frac{2}{3} : \frac{3}{4}$ and difference between the largest and smallest numbers is 45, then find the middle number ?

- (a) 120
- (b) 150
- (c) 100
- (d) 1000

Q26. Salaries of A, B and C are in the ratio 3 : 5 : 7 respectively. If their salaries were increased by 50%, 60%, and 50% respectively, what will be the new respective ratio of their salaries ?

- (a) 3 : 6 : 7
- (b) 9 : 16 : 21
- (c) 5 : 9 : 14
- (d) None of these

Q27. Fresh water melon contains 90% water. If 10kg of water evaporates, then percentage of water becomes 80% Find the weight of original watermelon ?

- (a) 30 kg
- (b) 40 kg
- (c) 20 kg
- (d) 25 kg

Q28. If $x : y = 3 : 2$, then find the value of the ratio $\rightarrow 2x^2 + 3y^2 : 3x^2 - 2y^2$?

- (a) 30 : 19
- (b) 19 : 30
- (c) 20 : 19
- (d) 20 : 21

Q29. Find the Third Proportion to 3 and 6 ?

- (a) 12
- (b) 14
- (c) 16
- (d) 18

Q30. Four numbers are in proportion. The sum of the squares of the four numbers is 50 and the sum of first two terms is 4. The ratio of means is 3 : 2. What is the average of the four numbers ?

- (a) 3
- (b) 4
- (c) 5
- (d) 6



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